

21. (Amended) A manufacturing system, comprising:

a plurality of tools for processing a plurality of manufactured items in a process flow;

an item health monitor configured to determine item health metrics for at least a subset of the plurality of manufactured items;

123 a tool health monitor configured to determine tool health metrics for at least a subset of the plurality of tools; and

a scheduling server configured to schedule the manufactured items for processing in the tools based on the item health metrics in view of the tool health metrics.

41. (Amended) A manufacturing system, comprising:

means for processing a plurality of manufactured items in a process flow;

124 means for determining item health metrics for at least a subset of the plurality of manufactured items;

means for determining tool health metrics for a plurality of tools in the process flow; and

means for scheduling the manufactured items for processing in the tools based on the item health metrics in view of the tool health metrics.

#### REMARKS

Claims 1-41 stand rejected under 35 U.S.C. § 112, 1<sup>st</sup> paragraph as containing subject matter not described in the specification adequately to reasonably convey to one skilled in the art that the inventor had possession of the invention, and that the claims were not sufficiently